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No. CF-94-10R1

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to Canadian Aviation Regulation (CAR) 593. Pursuant to CAR 605.84 and the further details of CAR Standard 625, Appendix H, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with CAR 605.84 and the above- referenced Standard.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

CF-94-10R1 DE HAVILLAND

Applies to de Havilland Inc. DHC-8 Series 100 and 300 aircraft, serial numbers as indicated.

Compliance is required before 31 August 1995.

Three incidents of DHC-8 nacelle fuel leaks have resulted in an explosive ignition with subsequent damage to the engine cowlings. Following these incidents, Transport Canada issued five airworthiness directives: three to eliminate the known fuel leak sources (CF-88-11, CF-90-21 and CF-92-12), one to eliminate a possible ignition source (CF-88-15) and one to improve the ability of the engine cowl doors to withstand the pressures generated by an engine fire (CF-89-15). (Note that CF-88-11 has since been cancelled.)

De Havilland has since introduced several modifications to minimize the chance of a nacelle fire through better sealing in the engine nacelle area.

To further minimize the chance of an in-flight fire and explosion within the nacelle zones, accomplish the following:

1. For aircraft serial numbers 3 through 137, install Modification 8/1126 (Nacelles - Sealing of Lower Cowl Firewall). De Havilland Service Bulletin (SB) 8-54-12 dated 27 January 1989, or its later revisions approved by the Director, Airworthiness Branch, Transport Canada, Ottawa, provides approved instructions to incorporate Modification 8/1126 for aircraft not incorporating this modification during production.
2. For aircraft serial numbers 3 through 331, install Modification 8/1885 (Nacelle - Upper Structure Access Panel Sealing). De Havilland SB 8-54-25, Revision A dated 29 July 1994, or its later revisions approved by the Director, Airworthiness, Transport Canada, Ottawa, provides approved instructions to incorporate Modification 8/1885 for aircraft not incorporating this modification during production.
3. For aircraft serial numbers 3 through 332, install Modification 8/1887 (Nacelles/Pylons - Firewall - Improvements to Fireproof and Leakproof Integrity). De Havilland SB 8-54-30, Revision B dated 5 February 1993, or its later revisions approved by the Director, Airworthiness, Transport Canada, Ottawa, provides approved instructions to incorporate Modification 8/1887 for aircraft not incorporating this modification during production.
4. For aircraft serial numbers 3 through 357, install Modification 8/1966 (Nacelles/Pylons - Firewall - Addition of Sealant). De Havilland SB 8-54-31 dated 8 March 1994, or its later revisions approved by the Director, Airworthiness, Transport Canada, Ottawa, provides approved instructions to incorporate Modification 8/1966 for aircraft not incorporating this modification during production.
5. For aircraft serial numbers 3 through 369, install Modification 8/2001 (Nacelles/Pylons - Cowl Door Seal Improvement). De Havilland SB 8-71-19 Revision B dated 24 February 1995, or its later revisions approved by the Director, Airworthiness, Transport Canada, Ottawa, provides approved instructions to incorporate Modification 8/2001 for aircraft not incorporating this modification during production.

Alternative means of compliance with the requirements of this directive may be used only if approved by the Director, Airworthiness Branch, Transport Canada, Ottawa. Any application should be made to the appropriate regional office.

This revision supersedes Airworthiness Directive CF-94-10 issued 3 August 1994.



Documents

Document Sharing Hub

This directive becomes effective 18 April 1995.

Pursuant to CAR 202.51 the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address. To request a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

24-0022 (01-2001)